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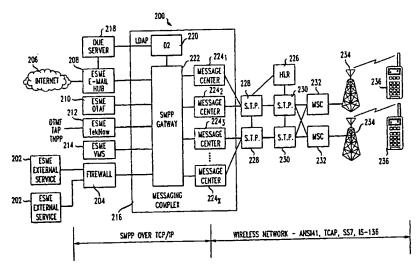
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(54) Title: A SHORT MESSAGE POINT-TO-POINT PROTOCOL GATEWAY HAVING A STANDARD INTERFACE



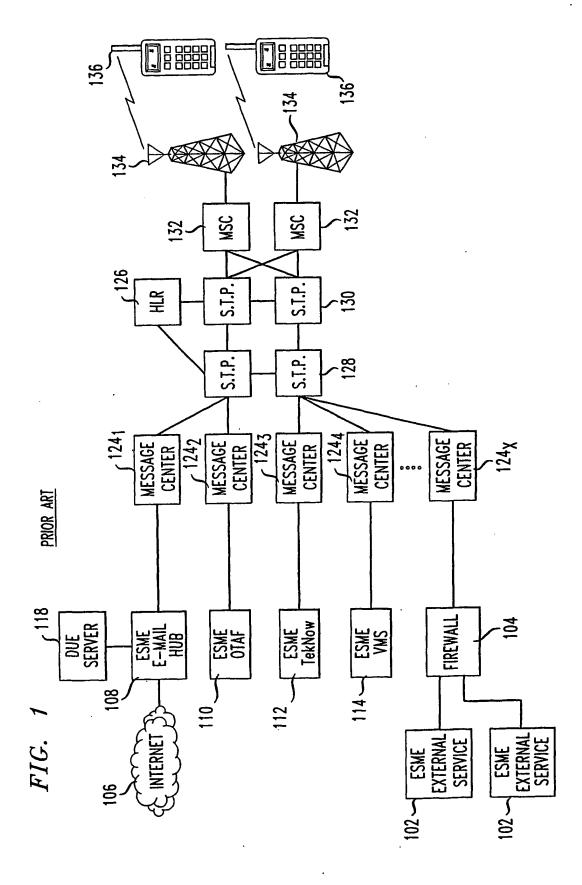
(57) Abstract: The present invention comprises a system (200) for allowing an external short message entity (202) to submit messages to be delivered to a wireless device (236). The system (200) involves implementing an external interface to the messaging complex (216) of a wireless system. The interface enables all ESMEs (202) to communicate with the messaging complex (216) using a consistent standard interface. The system comprises a short messaging point-to-point router (222), a message complex (216), a home location register (226) and a mobile switching center (232). The external short message entity (202) connects to the short messaging point-to-point router (222) and requests delivery of a message to a wireless device (236), and the short message point-to-point router (222) the request to an appropriate messaging center (224).

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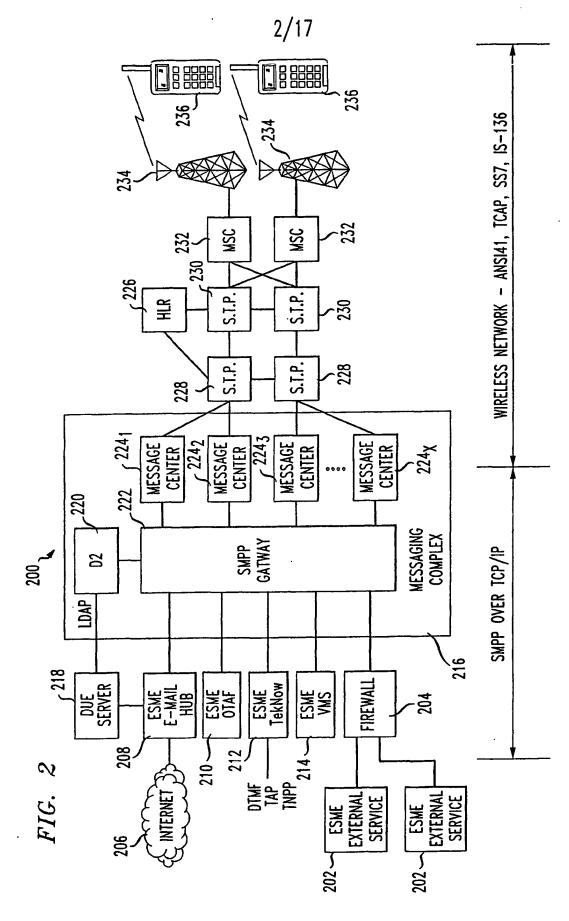
INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/43671

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :H04Q 7/20			
US CL: 455/466 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 455/466, 410, 453			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X,E	US 6,405,033 B1 (KENNEDY, III et a 54-col. 16, line 50; col. 3, line 54-col		1-3, 7, 20-24, 37- 40, 44, 45
Y,E			4-6
Y	US 5,966,663 A (GLEASON) 12 OCTOBER 1999, col. 14, line 50-		4-6
A	col. 15, line 67, col. 28, line 5-col. 30, line 35; col. 14, line 50-col. 15, line 67, col. 28, line 5-col. 30, line 35 US 6,263,212 B1 (ROSS et al) 17 JULY 2001, ENTIRE DOCUMENT		50-62
A,P			1-68
Further documents are listed in the continuation of Box C. See patent family annex.			
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25 AUGUST 2002			
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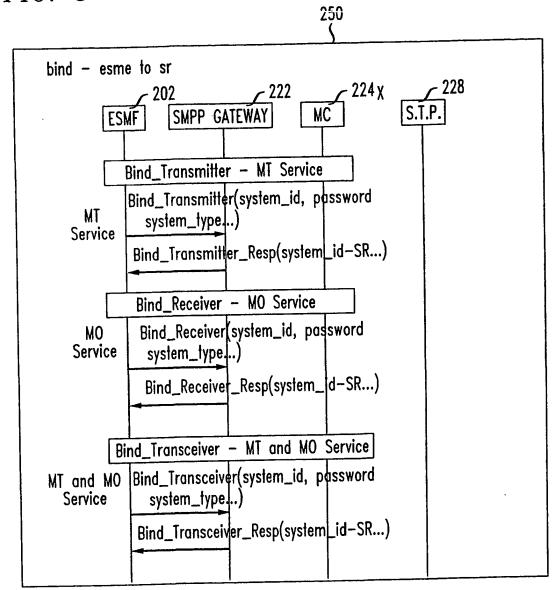


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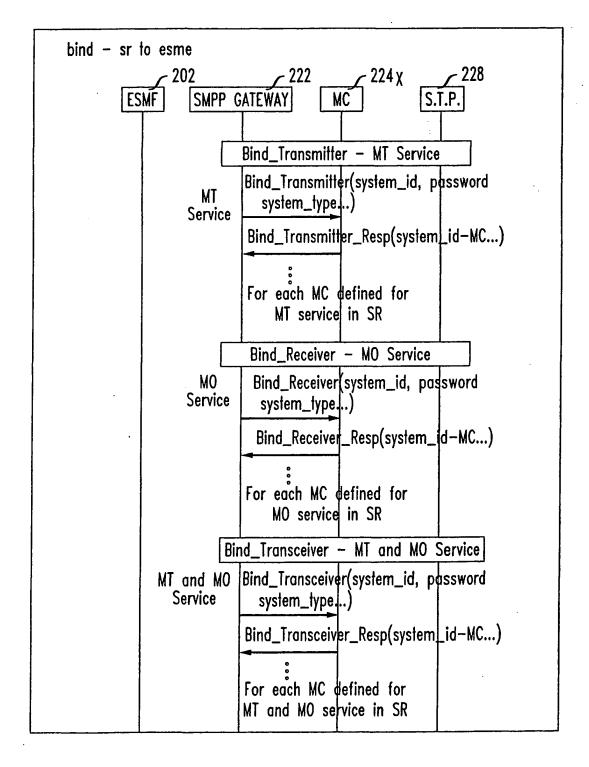
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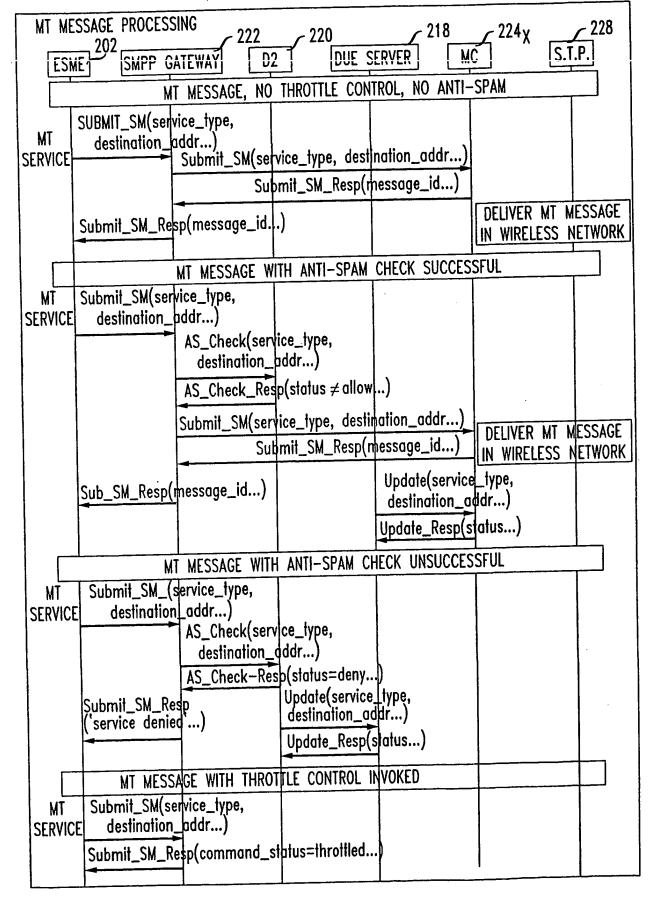
FIG. 3



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FIG. 4





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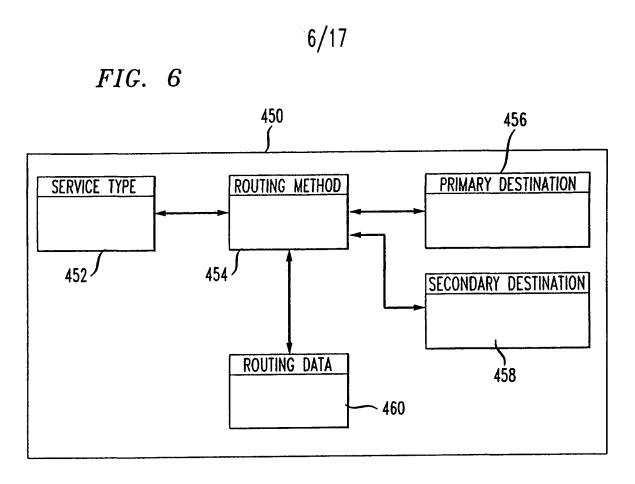
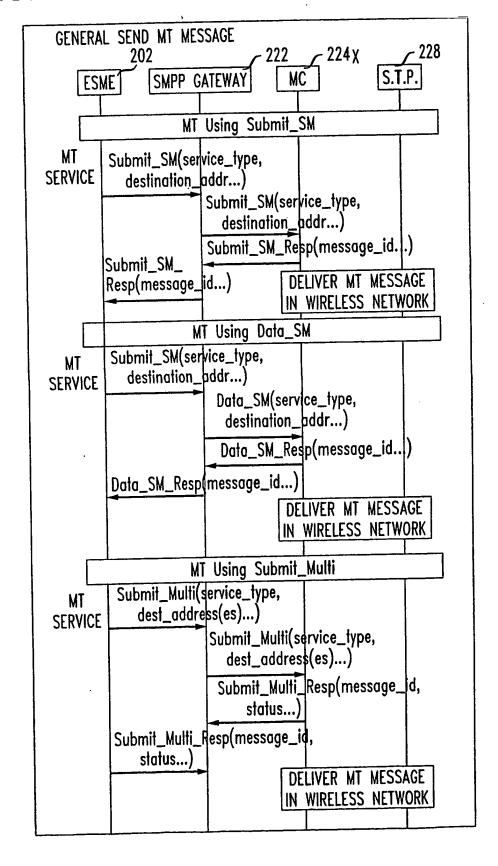


FIG. 7



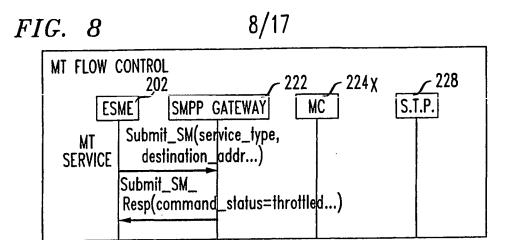
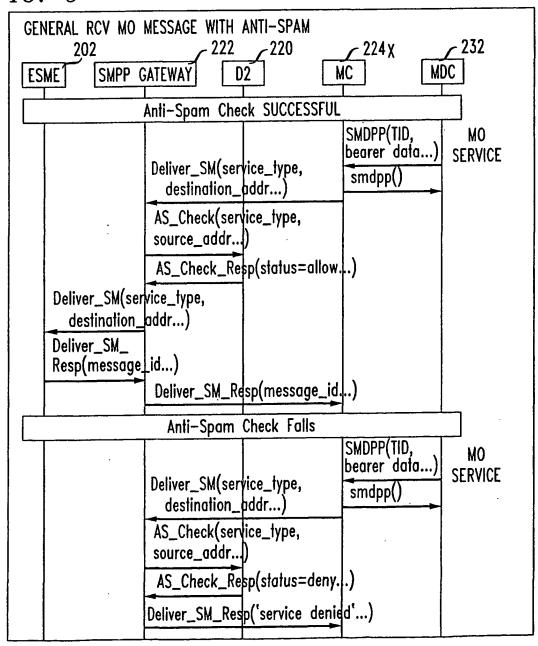
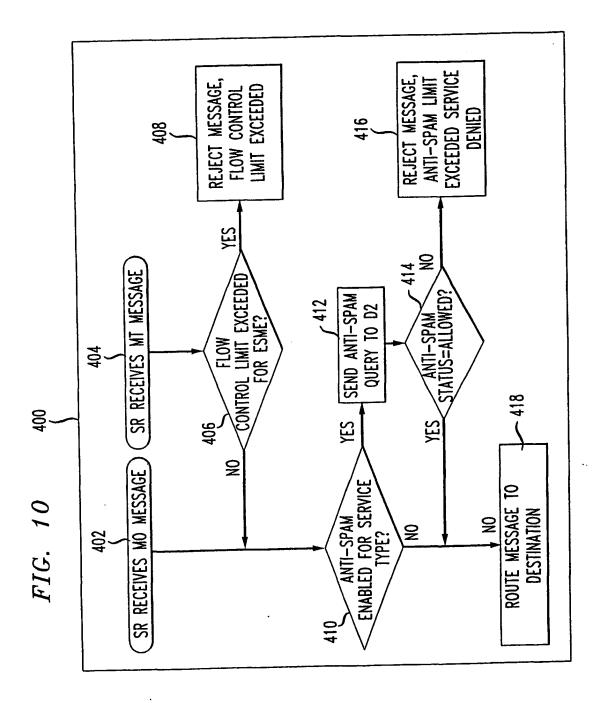
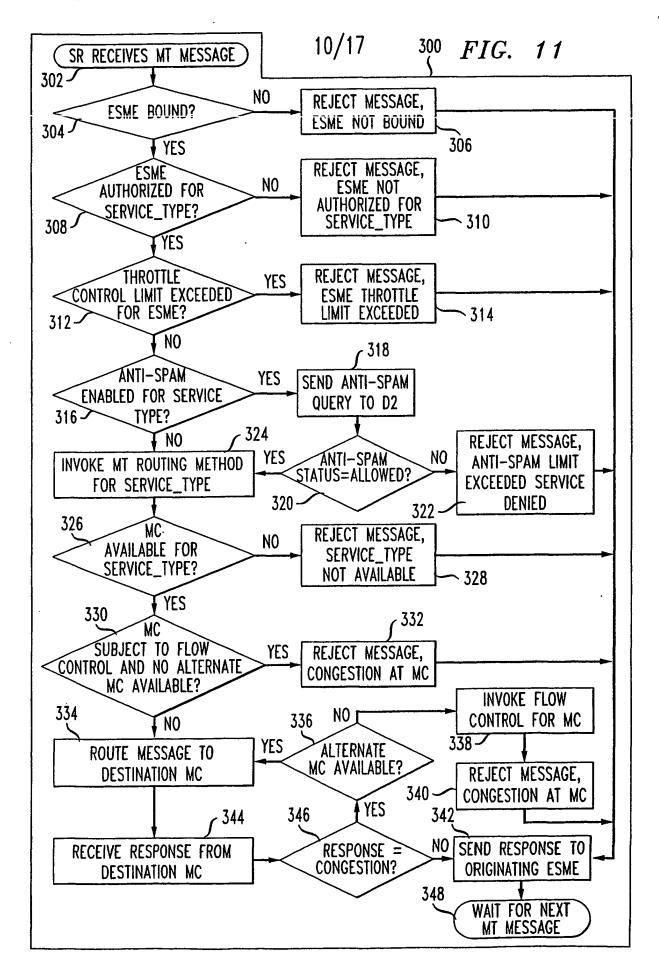


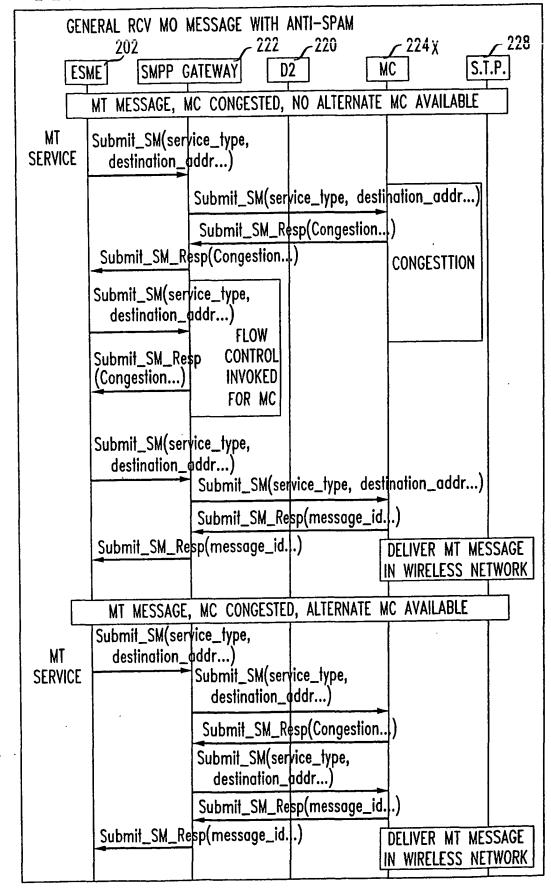
FIG. 9

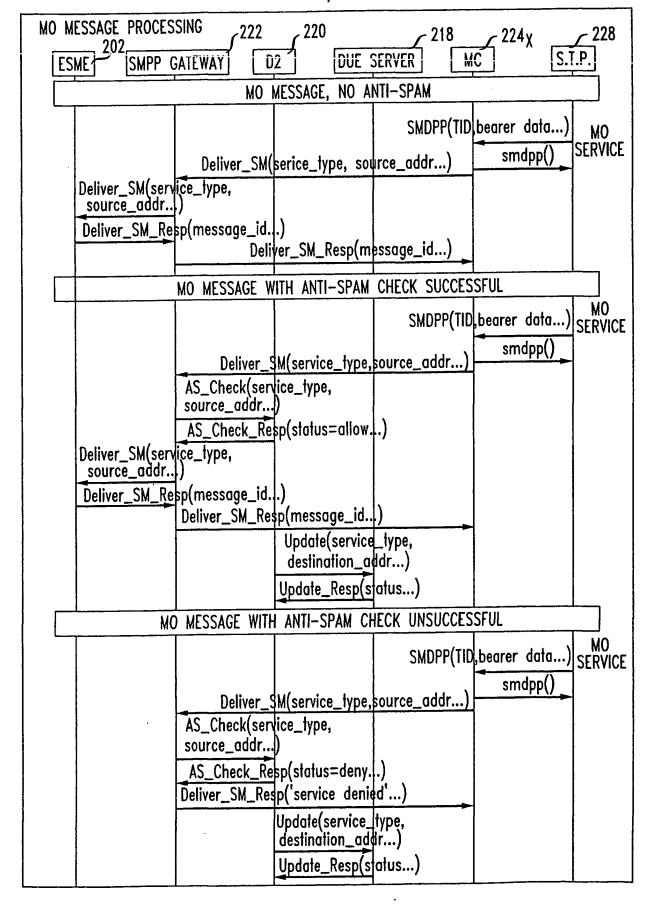


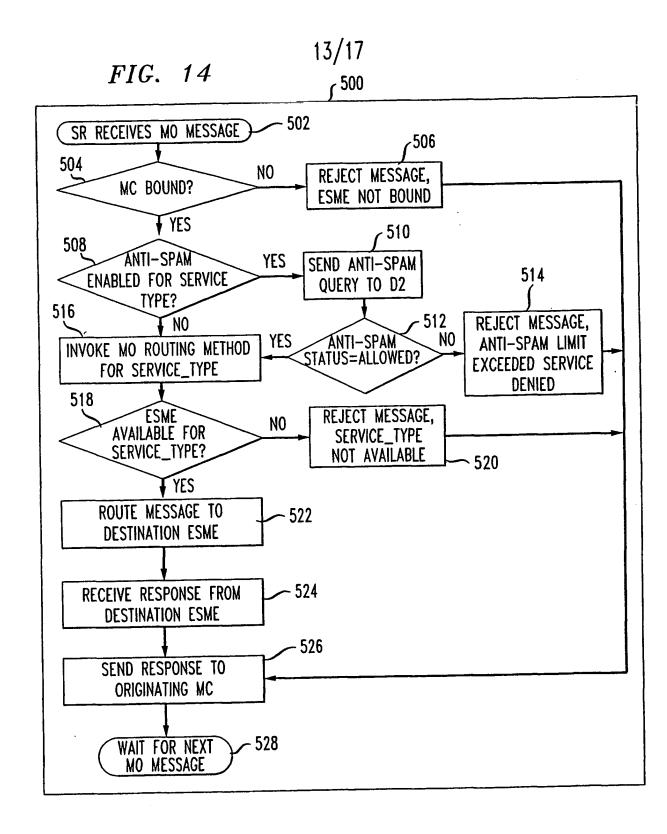


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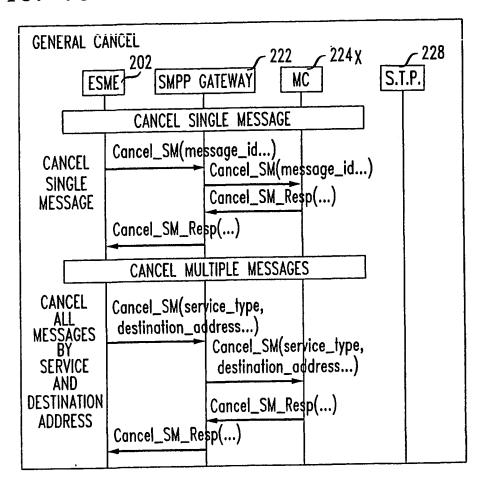
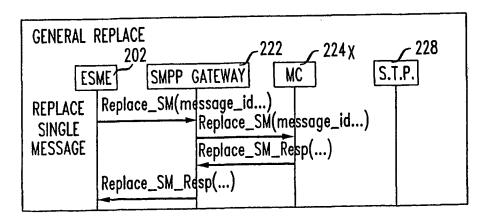


FIG. 16



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FIG. 17

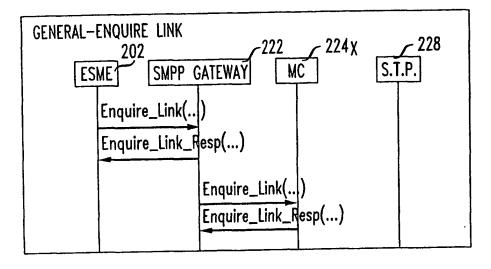


FIG. 18

